

Mohammed A A Al-Qaness

List of Publications by Year in descending order

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Version: 2024-02-01

81
papers

4,299
citations

109137

35
h-index

118652

62
g-index

82
all docs

82
docs citations

82
times ranked

2703
citing authors

#	ARTICLE	IF	CITATIONS
1	Improved Slime Mould Algorithm based on Firefly Algorithm for feature selection: A case study on QSAR model. <i>Engineering With Computers</i> , 2022, 38, 2407-2421.	3.5	47
2	Discrete fractional-order Caputo method to overcome trapping in local optima: Manta Ray Foraging Optimizer as a case study. <i>Expert Systems With Applications</i> , 2022, 192, 116355.	4.4	23
3	Meta-heuristic optimization algorithms for solving real-world mechanical engineering design problems: a comprehensive survey, applications, comparative analysis, and results. <i>Neural Computing and Applications</i> , 2022, 34, 4081-4110.	3.2	51
4	Modified marine predators algorithm for feature selection: case study metabolomics. <i>Knowledge and Information Systems</i> , 2022, 64, 261-287.	2.1	17
5	Meta-Learner Hybrid Models to Classify Hyperspectral Images. <i>Remote Sensing</i> , 2022, 14, 1038.	1.8	18
6	Boosting arithmetic optimization algorithm by sine cosine algorithm and levy flight distribution for solving engineering optimization problems. <i>Neural Computing and Applications</i> , 2022, 34, 8823-8852.	3.2	25
7	Adaptive Machine Learning Based Distributed Denial-of-Services Attacks Detection and Mitigation System for SDN-Enabled IoT. <i>Sensors</i> , 2022, 22, 2697.	2.1	42
8	Feature Selection Model Based on Gorilla Troops Optimizer for Intrusion Detection Systems. <i>Journal of Sensors</i> , 2022, 2022, 1-12.	0.6	11
9	Boosted ANFIS model using augmented marine predator algorithm with mutation operators for wind power forecasting. <i>Applied Energy</i> , 2022, 314, 118851.	5.1	74
10	Advanced Feature Extraction and Selection Approach Using Deep Learning and Aquila Optimizer for IoT Intrusion Detection System. <i>Sensors</i> , 2022, 22, 140.	2.1	81
11	Advance artificial time series forecasting model for oil production using neuro fuzzy-based slime mould algorithm. <i>Journal of Petroleum Exploration and Production</i> , 2022, 12, 383-395.	1.2	19
12	A Cox Proportional-Hazards Model Based on an Improved Aquila Optimizer with Whale Optimization Algorithm Operators. <i>Mathematics</i> , 2022, 10, 1273.	1.1	12
13	Modified aquila optimizer for forecasting oil production. <i>Geo-Spatial Information Science</i> , 2022, 25, 519-535.	2.4	44
14	Exploring the Effects of Transportation Supply on Mixed Land-Use at the Parcel Level. <i>Land</i> , 2022, 11, 797.	1.2	7
15	Human Activity Recognition Based on Embedded Sensor Data Fusion for the Internet of Healthcare Things. <i>Healthcare (Switzerland)</i> , 2022, 10, 1084.	1.0	23
16	Human activity recognition in IoHT applications using Arithmetic Optimization Algorithm and deep learning. <i>Measurement: Journal of the International Measurement Confederation</i> , 2022, 199, 111445.	2.5	45
17	A Novel Text Classification Technique Using Improved Particle Swarm Optimization: A Case Study of Arabic Language. <i>Future Internet</i> , 2022, 14, 194.	2.4	13
18	Efficient artificial intelligence forecasting models for COVID-19 outbreak in Russia and Brazil. <i>Chemical Engineering Research and Design</i> , 2021, 149, 399-409.	2.7	60

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19	A Grunwaldâ€“Letnikov based Manta ray foraging optimizer for global optimization and image segmentation. Engineering Applications of Artificial Intelligence, 2021, 98, 104105.	4.3	47
20	An improved YOLO-based road traffic monitoring system. Computing (Vienna/New York), 2021, 103, 211-230.	3.2	44
21	Automatic clustering method to segment COVID-19 CT images. PLoS ONE, 2021, 16, e0244416.	1.1	27
22	IoT Intrusion Detection System Using Deep Learning and Enhanced Transient Search Optimization. IEEE Access, 2021, 9, 123448-123464.	2.6	55
23	Improved ANFIS model for forecasting Wuhan City Air Quality and analysis COVID-19 lockdown impacts on air quality. Environmental Research, 2021, 194, 110607.	3.7	66
24	COVID-19 X-ray images classification based on enhanced fractional-order cuckoo search optimizer using heavy-tailed distributions. Applied Soft Computing Journal, 2021, 101, 107052.	4.1	74
25	Modified whale optimization algorithm for solving unrelated parallel machine scheduling problems. Soft Computing, 2021, 25, 9545-9557.	2.1	25
26	A Novel Heuristic Data Routing for Urban Vehicular <i>Ad Hoc</i> Networks. IEEE Internet of Things Journal, 2021, 8, 8976-8989.	5.5	19
27	Social Media Toxicity Classification Using Deep Learning: Real-World Application UK Brexit. Electronics (Switzerland), 2021, 10, 1332.	1.8	41
28	Enhanced salp swarm algorithm based on firefly algorithm for unrelated parallel machine scheduling with setup times. Applied Mathematical Modelling, 2021, 94, 285-305.	2.2	46
29	Green internet of things using UAVs in B5G networks: A review of applications and strategies. Ad Hoc Networks, 2021, 117, 102505.	3.4	114
30	Aquila Optimizer: A novel meta-heuristic optimization algorithm. Computers and Industrial Engineering, 2021, 157, 107250.	3.4	1,209
31	Optimized ANFIS Model Using Aquila Optimizer for Oil Production Forecasting. Processes, 2021, 9, 1194.	1.3	75
32	Cooperative meta-heuristic algorithms for global optimization problems. Expert Systems With Applications, 2021, 176, 114788.	4.4	14
33	A Novel Hybrid Gradient-Based Optimizer and Grey Wolf Optimizer Feature Selection Method for Human Activity Recognition Using Smartphone Sensors. Entropy, 2021, 23, 1065.	1.1	41
34	Boosting Arithmetic Optimization Algorithm with Genetic Algorithm Operators for Feature Selection: Case Study on Cox Proportional Hazards Model. Mathematics, 2021, 9, 2321.	1.1	55
35	Modeling of drilling process of GFRP composite using a hybrid random vector functional link network/parasitism-predation algorithm. Journal of Materials Research and Technology, 2021, 14, 298-311.	2.6	58
36	Modified Artificial Ecosystem-Based Optimization for Multilevel Thresholding Image Segmentation. Mathematics, 2021, 9, 2363.	1.1	26

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37	An Electric Fish-Based Arithmetic Optimization Algorithm for Feature Selection. <i>Entropy</i> , 2021, 23, 1189.	1.1	35
38	Automatic Superpixel-Based Clustering for Color Image Segmentation Using q-Generalized Pareto Distribution under Linear Normalization and Hunger Games Search. <i>Mathematics</i> , 2021, 9, 2383.	1.1	9
39	Optimized Random Vector Functional Link network to predict oil production from Tahe oil field in China. <i>Oil and Gas Science and Technology</i> , 2021, 76, 3.	1.4	12
40	Arabic Offensive and Hate Speech Detection Using a Cross-Corpora Multi-Task Learning Model. <i>Informatics</i> , 2021, 8, 69.	2.4	33
41	Boosting Atomic Orbit Search Using Dynamic-Based Learning for Feature Selection. <i>Mathematics</i> , 2021, 9, 2786.	1.1	13
42	Modified Harris Hawks Optimizer for Solving Machine Scheduling Problems. <i>Symmetry</i> , 2020, 12, 1460.	1.1	27
43	An Improved Marine Predators Algorithm With Fuzzy Entropy for Multi-Level Thresholding: Real World Example of COVID-19 CT Image Segmentation. <i>IEEE Access</i> , 2020, 8, 125306-125330.	2.6	98
44	An improved deep learning model for predicting daily PM2.5 concentration. <i>Scientific Reports</i> , 2020, 10, 20988.	1.6	53
45	Utilization of Random Vector Functional Link integrated with Marine Predators Algorithm for tensile behavior prediction of dissimilar friction stir welded aluminum alloy joints. <i>Journal of Materials Research and Technology</i> , 2020, 9, 11370-11381.	2.6	65
46	Reliable applied objective for identifying simple and detailed photovoltaic models using modern metaheuristics: Comparative study. <i>Energy Conversion and Management</i> , 2020, 223, 113279.	4.4	63
47	COVID-19 image classification using deep features and fractional-order marine predators algorithm. <i>Scientific Reports</i> , 2020, 10, 15364.	1.6	182
48	Multi-scale Vehicle Localization in Underground Parking Lots by Integration of Dead Reckoning, Wi-Fi and Vision. , 2020, , .		4
49	Optimization Method for Forecasting Confirmed Cases of COVID-19 in China. <i>Journal of Clinical Medicine</i> , 2020, 9, 674.	1.0	317
50	PDTR: Probabilistic and Deterministic Tree-based Routing for Wireless Sensor Networks. <i>Sensors</i> , 2020, 20, 1697.	2.1	4
51	Multi-Level Image Thresholding Based on Modified Spherical Search Optimizer and Fuzzy Entropy. <i>Entropy</i> , 2020, 22, 328.	1.1	29
52	Improved Artificial Bee Colony Using Sine-Cosine Algorithm for Multi-Level Thresholding Image Segmentation. <i>IEEE Access</i> , 2020, 8, 26304-26315.	2.6	62
53	Handwritten Arabic Optical Character Recognition Approach Based on Hybrid Whale Optimization Algorithm With Neighborhood Rough Set. <i>IEEE Access</i> , 2020, 8, 23011-23021.	2.6	29
54	Resource-Aware Network Topology Management Framework. <i>Acta Polytechnica Hungarica</i> , 2020, 17, 89-101.	2.5	7

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55	A Mobile Cloud-based eHealth Scheme. Computers, Materials and Continua, 2020, 62, 31-39.	1.5	5
56	Optimized Forecasting Method for Weekly Influenza Confirmed Cases. International Journal of Environmental Research and Public Health, 2020, 17, 3510.	1.2	15
57	Marine Predators Algorithm for Forecasting Confirmed Cases of COVID-19 in Italy, USA, Iran and Korea. International Journal of Environmental Research and Public Health, 2020, 17, 3520.	1.2	96
58	Fact-Checking: Application-Awareness in Data Centre Resource Management. , 2020, , 153-164.		0
59	Channel State Information from Pure Communication to Sense and Track Human Motion: A Survey. Sensors, 2019, 19, 3329.	2.1	41
60	Rule mining models for predicting dropout/stopout and switcher at college using satisfaction and SES features. International Journal of Management in Education, 2019, 13, 97.	0.1	1
61	Multi-Scale Geospatial Object Detection Based on Shallow-Deep Feature Extraction. Remote Sensing, 2019, 11, 2525.	1.8	19
62	Bouncer: A Resource-Aware Admission Control Scheme for Cloud Services. Electronics (Switzerland), 2019, 8, 928.	1.8	4
63	A Modified Adaptive Neuro-Fuzzy Inference System Using Multi-Verse Optimizer Algorithm for Oil Consumption Forecasting. Electronics (Switzerland), 2019, 8, 1071.	1.8	23
64	Device-free human micro-activity recognition method using WiFi signals. Geo-Spatial Information Science, 2019, 22, 128-137.	2.4	41
65	Classification of Human Motions Using Micro-Doppler Radar in the Environments with Micro-Motion Interference. Sensors, 2019, 19, 2598.	2.1	21
66	A Study of the Effects of Stemming Strategies on Arabic Document Classification. IEEE Access, 2019, 7, 32664-32671.	2.6	46
67	Phantom: Towards Vendor-Agnostic Resource Consolidation in Cloud Environments. Electronics (Switzerland), 2019, 8, 1183.	1.8	5
68	Sine-Cosine Algorithm to Enhance Simulated Annealing for Unrelated Parallel Machine Scheduling with Setup Times. Mathematics, 2019, 7, 1120.	1.1	39
69	A Multilevel Image Thresholding Based on Hybrid Salp Swarm Algorithm and Fuzzy Entropy. IEEE Access, 2019, 7, 181405-181422.	2.6	30
70	Rule mining models for predicting dropout/stopout and switcher at college using satisfaction and SES features. International Journal of Management in Education, 2019, 13, 97.	0.1	0
71	Efficient Feature Representation Based on the Effect of Words Frequency for Arabic Documents Classification. , 2018, , .		9
72	Oil Consumption Forecasting Using Optimized Adaptive Neuro-Fuzzy Inference System Based on Sine Cosine Algorithm. IEEE Access, 2018, 6, 68394-68402.	2.6	44

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73	Indoor Micro-Activity Recognition Method Using Ubiquitous WiFi Devices. , 2018, , .		1
74	A Resource Allocation Scheme for Multi-D2D Communications Underlying Cellular Networks with Multi-Subcarrier Reusing. Applied Sciences (Switzerland), 2017, 7, 148.	1.3	9
75	A Novel Data Classification Approach Using Fuzzy Logic. , 2017, , .		0
76	Indoor Human Activity Recognition Method Using CSI of Wireless Signals. , 2017, , .		2
77	Multi-Objective Resource Allocation Scheme for D2D Multicast with QoS Guarantees in Cellular Networks. Applied Sciences (Switzerland), 2016, 6, 274.	1.3	9
78	Device-Free Indoor Activity Recognition System. Applied Sciences (Switzerland), 2016, 6, 329.	1.3	18
79	A Robust and Device-Free System for the Recognition and Classification of Elderly Activities. Sensors, 2016, 16, 2043.	2.1	25
80	WiGeR: WiFi-Based Gesture Recognition System. ISPRS International Journal of Geo-Information, 2016, 5, 92.	1.4	89
81	Device-Free Home Intruder Detection and Alarm System Using Wi-Fi Channel State Information. International Journal of Future Computer and Communication, 2016, 5, 180-186.	1.3	16